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125. (new) The color imaging sensor of claim 124, wherein the lower boundary of each of said first, second and third defined regions corresponds to the depth of penetration of a respective color wavelength component into said substrate.

126. (new) The color imaging sensor of claim 125, wherein said first, second and third color wavelength components are red, green and blue, respectively.

127. (new) The color imaging sensor of claim 125, wherein at least two of said first, second and third defined regions have a substantially different depth from each other.

128. (new) The color imaging sensor of claim 125, wherein all three of said first, second and third defined regions have a substantially different depth from each other.

129. (new) The color imaging sensor of claim 128, wherein said first depth is substantially greater than said second depth.

130. (new) The color imaging sensor of claim 128, wherein said first depth is substantially greater than said third depth.

131. (new) The color imaging sensor of claim 128, wherein said third depth is substantially greater than said second depth.

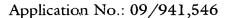
132. (new) A method of forming a color imaging sensor, said method comprising the steps of:

forming a first defined region in a substrate for sensing a first color wavelength component;

forming a second defined region in said substrate for sensing a second color wavelength component; and

forming a third defined region in said substrate for sensing a third color wavelength component, wherein said first, second and third defined regions are formed at substantially different depths in said substrate.

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133. (new) The method of claim 132, wherein said step of forming said first defined region further comprises forming a deep retrograde well located at a first depth in said substrate.

134. (new) The method of claim 133, wherein said step of forming said second defined region further comprises forming a shallow well located at a second depth in said substrate.

135. (new) The method of claim 134, wherein said step of forming said third defined region further comprises forming a shallow retrograde well located at a third depth in said substrate.

136. (new) The method of claim 135, wherein said first depth is substantially greater than said second and third depth.

137. (new) The method of claim 136, wherein said third depth is substantially greater than said second depth.

138. (new) The method of claim 132, wherein each of said first, second and third defined regions senses charges of red, blue and green color wavelength, respectively.

139. (new) The method of claim 132, wherein said first, second and third defined regions are formed sequentially.

140. (new) The method of claim 132, wherein said first, second and third defined regions are formed simultaneously.

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